

K Karthik

List of Publications by Year in descending order

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124
papers

3,902
citations

81900

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144013

57
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126
all docs

126
docs citations

126
times ranked

3025
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Nanostructured metal oxides and its hybrids for photocatalytic and biomedical applications. <i>Advances in Colloid and Interface Science</i> , 2020, 281, 102178. | 14.7 | 202 |
| 2 | Fabrication of MgO nanostructures and its efficient photocatalytic, antibacterial and anticancer performance. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 190, 8-20. | 3.8 | 178 |
| 3 | Multifunctional properties of microwave assisted CdO–NiO–ZnO mixed metal oxide nanocomposite: enhanced photocatalytic and antibacterial activities. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5459-5471. | 2.2 | 149 |
| 4 | Biocompatible Carbon Quantum Dots Derived from Sugarcane Industrial Wastes for Effective Nonlinear Optical Behavior and Antimicrobial Activity Applications. <i>ACS Omega</i> , 2020, 5, 30363-30372. | 3.5 | 99 |
| 5 | Facile microwave-assisted green synthesis of NiO nanoparticles from <i>Andrographis paniculata</i> leaf extract and evaluation of their photocatalytic and anticancer activities. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 673, 70-80. | 0.9 | 98 |
| 6 | Current Trends in MXene-Based Nanomaterials for Energy Storage and Conversion System: A Mini Review. <i>Catalysts</i> , 2020, 10, 495. | 3.5 | 89 |
| 7 | Nanostructured CdO-NiO composite for multifunctional applications. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 112, 106-118. | 4.0 | 88 |
| 8 | New closed tube loop mediated isothermal amplification assay for prevention of product cross-contamination. <i>MethodsX</i> , 2014, 1, 137-143. | 1.6 | 82 |
| 9 | Structural studies of bio-mediated NiO nanoparticles for photocatalytic and antibacterial activities. <i>Inorganic Chemistry Communication</i> , 2020, 113, 107755. | 3.9 | 80 |
| 10 | Microwave-assisted synthesis of CdO–ZnO nanocomposite and its antibacterial activity against human pathogens. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 139, 7-12. | 3.9 | 77 |
| 11 | Bio-engineered TiO ₂ nanoparticles using <i>Ledebouria revoluta</i> extract: Larvicidal, histopathological, antibacterial and anticancer activity. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 2926-2936. | 3.3 | 75 |
| 12 | Effect of Immunomodulation and Immunomodulatory Agents on Health with some Bioactive Principles, Modes of Action and Potent Biomedical Applications. <i>International Journal of Pharmacology</i> , 2015, 11, 253-290. | 0.3 | 75 |
| 13 | Temperature-dependent magnetic anomalies of CuO nanoparticles. <i>Solid State Communications</i> , 2011, 151, 564-568. | 1.9 | 71 |
| 14 | Microwave assisted CdO–ZnO–MgO nanocomposite and its photocatalytic and antibacterial studies. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 18519-18530. | 2.2 | 71 |
| 15 | Microwave assisted green synthesis of MgO nanorods and their antibacterial and anti-breast cancer activities. <i>Materials Letters</i> , 2017, 206, 217-220. | 2.6 | 70 |
| 16 | Ultrasound-assisted synthesis of V ₂ O ₅ nanoparticles for photocatalytic and antibacterial studies. <i>Materials Research Innovations</i> , 2020, 24, 229-234. | 2.3 | 69 |
| 17 | Facile fabrication of CuO nanoparticles via microwave-assisted method: photocatalytic, antimicrobial and anticancer enhancing performance. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 1095-1108. | 3.3 | 69 |
| 18 | Photocatalytic and antibacterial activities of hydrothermally prepared CdO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 11420-11429. | 2.2 | 68 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Fabrication of ZnO-Fe-MXene Based Nanocomposites for Efficient CO ₂ Reduction. <i>Catalysts</i> , 2020, 10, 549. | 3.5 | 68 |
| 20 | Microwave-Assisted ZrO ₂ Nanoparticles and Its Photocatalytic and Antibacterial Studies. <i>Journal of Cluster Science</i> , 2019, 30, 311-318. | 3.3 | 64 |
| 21 | Ultrasonic-assisted CdO-MgO nanocomposite for multifunctional applications. <i>Materials Technology</i> , 2019, 34, 403-414. | 3.0 | 62 |
| 22 | Photocatalytic, antibacterial and electrochemical properties of novel rare earth metal oxides-based nanohybrids. <i>Materials Science for Energy Technologies</i> , 2020, 3, 853-861. | 1.8 | 61 |
| 23 | Current Trends in the Application of Nanomaterials for the Removal of Pollutants from Industrial Wastewater Treatment—A Review. <i>Molecules</i> , 2021, 26, 2799. | 3.8 | 61 |
| 24 | Multifunctional properties of CdO nanostructures Synthesised through microwave assisted hydrothermal method. <i>Materials Research Innovations</i> , 2019, 23, 310-318. | 2.3 | 60 |
| 25 | Ultrasound-assisted Ta ₂ O ₅ nanoparticles and their photocatalytic and biological applications. <i>Microchemical Journal</i> , 2019, 147, 749-754. | 4.5 | 59 |
| 26 | Microwave-assisted green synthesis of SnO ₂ nanoparticles and their optical and photocatalytic properties. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 671, 17-23. | 0.9 | 58 |
| 27 | Removal of metronidazole from wastewater by Fe/charcoal micro electrolysis fluidized bed reactor. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103457. | 6.7 | 57 |
| 28 | Photocatalytic and antimicrobial properties of microwave synthesized mixed metal oxide nanocomposite. <i>Inorganic Chemistry Communication</i> , 2021, 125, 108429. | 3.9 | 54 |
| 29 | Andrographis paniculata extract mediated green synthesis of CdO nanoparticles and its electrochemical and antibacterial studies. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 7991-8001. | 2.2 | 52 |
| 30 | Enhanced Corrosion Protection of Epoxy/ZnO-NiO Nanocomposite Coatings on Steel. <i>Coatings</i> , 2020, 10, 783. | 2.6 | 52 |
| 31 | Multifunctional Applications of Microwave-Assisted Biogenic TiO ₂ Nanoparticles. <i>Journal of Cluster Science</i> , 2019, 30, 965-972. | 3.3 | 51 |
| 32 | Synthesis of Ag/Bi ₂ MoO ₆ Nanocomposites Using NaBH ₄ as Reducing Agent for Enhanced Visible-Light-Driven Photocatalysis of Rhodamine B. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 322-329. | 3.7 | 49 |
| 33 | Structural and biological properties with enhanced photocatalytic behaviour of CdO-MgO nanocomposite by microwave-assisted method. <i>Optik</i> , 2020, 204, 164221. | 2.9 | 49 |
| 34 | Structural, optical and magnetic behaviors of Fe/Mn-doped and co-doped CdS thin films prepared by spray pyrolysis method. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1. | 2.3 | 46 |
| 35 | Effect of pH on Phase, Morphology and Photocatalytic Properties of BiOBr Synthesized by Hydrothermal Method. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 714-721. | 3.7 | 46 |
| 36 | Hibiscus subdariffa leaf extract mediated 2-D fern-like ZnO/TiO ₂ hierarchical nanoleaf for photocatalytic degradation. <i>FlatChem</i> , 2020, 24, 100197. | 5.6 | 46 |

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|----|---|-----|-----------|
| 37 | Preparation of novel chitosan polymeric nanocomposite as an efficient material for the removal of Acid Blue 25 from aqueous environment. <i>International Journal of Biological Macromolecules</i> , 2021, 168, 760-768. | 7.5 | 46 |
| 38 | Facile microwave-assisted synthesis of metal oxide CdO-CuO nanocomposite: Photocatalytic and antimicrobial enhancing properties. <i>Optik</i> , 2020, 218, 165112. | 2.9 | 45 |
| 39 | Effect of Mg/Co on the properties of CdS thin films deposited by spray pyrolysis technique. <i>Current Applied Physics</i> , 2019, 19, 1136-1144. | 2.4 | 44 |
| 40 | Bioinspired fluorescence carbon quantum dots extracted from natural honey: Efficient material for photonic and antibacterial applications. <i>Nano Structures Nano Objects</i> , 2020, 24, 100589. | 3.5 | 44 |
| 41 | Dielectric and antibacterial studies of microwave assisted calcium hydroxide nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 16509-16518. | 2.2 | 42 |
| 42 | Synthesis and Characterization Ag Nanoparticles Supported on Bi ₂ WO ₆ Nanoplates for Enhanced Visible-Light-Driven Photocatalytic Degradation of Rhodamine B. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1033-1040. | 3.7 | 42 |
| 43 | Bioengineered silver nanoparticles using <i>Elytraria acaulis</i> (L.f.) Lindau leaf extract and its biological applications. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 27, 101690. | 3.1 | 41 |
| 44 | Investigations on the enhanced photocatalytic activity of (Ag, La) substituted nickel cobaltite spinels. <i>Solid State Sciences</i> , 2019, 98, 105992. | 3.2 | 39 |
| 45 | Facile synthesis of NiO-CYSO nanocomposite for photocatalytic and antibacterial applications. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108307. | 3.9 | 39 |
| 46 | Study on the electrochemical performance of ZnO nanoparticles synthesized via non-aqueous sol-gel route for supercapacitor applications. <i>Materials Research Express</i> , 2019, 6, 105525. | 1.6 | 38 |
| 47 | Influence of nanotechnology to combat against COVID-19 for global health emergency: A review. <i>Sensors International</i> , 2021, 2, 100079. | 8.4 | 38 |
| 48 | Physico-chemical properties and antibacterial activity of Hexakis (Thiocarbamide) Nickel(II) nitrate single crystal. <i>Chemical Data Collections</i> , 2019, 21, 100229. | 2.3 | 37 |
| 49 | Influence of Sn and Mn on structural, optical and magnetic properties of spray pyrolysed CdS thin films. <i>Materials Research Innovations</i> , 2020, 24, 82-86. | 2.3 | 37 |
| 50 | Fluorescent carbon quantum dots from <i>Ananas comosus</i> waste peels: A promising material for NLO behaviour, antibacterial, and antioxidant activities. <i>Inorganic Chemistry Communication</i> , 2021, 124, 108397. | 3.9 | 30 |
| 51 | Facile fabrication of novel ceria-based nanocomposite (CYO-CSO) via co-precipitation: Electrochemical, photocatalytic and antibacterial performances. <i>Journal of Molecular Structure</i> , 2022, 1256, 132519. | 3.6 | 30 |
| 52 | Y ³⁺ and Sm ³⁺ co-doped mixed metal oxide nanocomposite: Structural, electrochemical, photocatalytic, and antibacterial properties. <i>Applied Surface Science Advances</i> , 2021, 4, 100085. | 6.8 | 29 |
| 53 | Indonesian Kaolin supported nZVI (IK-nZVI) used for the an efficient removal of Pb(II) from aqueous solutions: Kinetics, thermodynamics and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106483. | 6.7 | 25 |
| 54 | Metal-Doped Graphitic Carbon Nitride Nanomaterials for Photocatalytic Environmental Applications—A Review. <i>Nanomaterials</i> , 2022, 12, 1754. | 4.1 | 24 |

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|----|---|-----|-----------|
| 55 | Tartaric acid-assisted precipitation of visible light-driven Ce-doped ZnO nanoparticles used for photodegradation of methylene blue. <i>Journal of the Australian Ceramic Society</i> , 2020, 56, 1029-1041. | 1.9 | 23 |
| 56 | Heterostructure of polyoxometalate/zinc-iron-oxide nanoplates as an outstanding bifunctional electrocatalyst for the hydrogen and oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 419-430. | 9.4 | 23 |
| 57 | Structural and optical properties of microwave assisted CdO-NiO nanocomposite. <i>AIP Conference Proceedings</i> , 2016, , . | 0.4 | 22 |
| 58 | Investigations on structural, optical, dielectric, electronic polarizability, Z-scan and antibacterial properties of Ni/Zn/Fe ₂ O ₄ nanoparticles fabricated by microwave-assisted combustion method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 402, 112794. | 3.9 | 21 |
| 59 | Microwave-assisted V ₂ O ₅ nanoflowers for efficient lithium-ion battery. <i>Materials Research Innovations</i> , 2019, , 1-5. | 2.3 | 19 |
| 60 | Larvicidal and histopathology effect of endophytic fungal extracts of <i>Aspergillus tamarii</i> against <i>Aedes aegypti</i> and <i>Culex quinquefasciatus</i> . <i>Heliyon</i> , 2020, 6, e05331. | 3.2 | 18 |
| 61 | Enhanced Photocatalytic and Antibacterial Activities of ZnSe Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 4390-4401. | 3.7 | 18 |
| 62 | Effect of annealing on the structural, morphological, optical and electrical properties of Al-Zn co-doped SnO ₂ thin films. <i>Materials Research Innovations</i> , 2020, 24, 193-201. | 2.3 | 17 |
| 63 | Effect of cerium on electrochemical properties of V ₂ O ₅ nanoparticles synthesized via non-aqueous sol-gel technique. <i>Ionics</i> , 2020, 26, 905-912. | 2.4 | 17 |
| 64 | CdS-sensitized single-crystalline TiO ₂ nanorods and polycrystalline nanotubes for solar hydrogen generation. <i>Journal of Materials Research</i> , 2013, 28, 418-423. | 2.6 | 16 |
| 65 | Non-invasive Diabetic Sensor Based on Cellulose Acetate/Graphene Nanocomposite. <i>Macromolecular Symposia</i> , 2020, 392, 2000024. | 0.7 | 15 |
| 66 | Optimization of TiO ₂ -P25 photocatalyst dose and H ₂ O ₂ concentration for advanced photo-oxidation using smartphone-based colorimetry. <i>Water Science and Technology</i> , 2021, 84, 469-483. | 2.5 | 15 |
| 67 | Experimental and Theoretical Studies of Green Synthesized Cu ₂ O Nanoparticles Using <i>Datura Metel L.</i> <i>Journal of Fluorescence</i> , 2022, 32, 559-568. | 2.5 | 14 |
| 68 | Growth, spectral, optical, thermal, electrical, mechanical and etching studies of organic single crystal: l-histidinium l-tartrate hemihydrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17323-17332. | 2.2 | 13 |
| 69 | Bioengineered metal and metal oxide nanoparticles for photocatalytic and biological applications: A review. <i>Physics and Chemistry of Solid State</i> , 2020, 21, 571-583. | 0.8 | 13 |
| 70 | Electrochemical performance and charge density distribution analysis of Ag/NiO nanocomposite synthesized from <i>Withania somnifera</i> leaf extract. <i>Inorganic Chemistry Communication</i> , 2022, 141, 109580. | 3.9 | 13 |
| 71 | Antibacterial activity and physico-chemical properties of metal-organic single crystal: Zinc (Tris) thiourea chloride. <i>Chemical Data Collections</i> , 2019, 24, 100279. | 2.3 | 12 |
| 72 | Green Synthesis, Characterization and Antibacterial Activity of SiO ₂ @ZnO Nanocomposite by <i>Dictyota bartayresiana</i> Extract and Its Cytotoxic Effect on HT29 Cell Line. <i>Journal of Cluster Science</i> , 2022, 33, 2499-2515. | 3.3 | 12 |

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|----|--|-----|-----------|
| 73 | Synthesis and Crystal Structure of a New Binuclear Copper(II) Carboxylate Complex as a Precursor for Copper(II) Oxide Nanoparticles. <i>Journal of Structural Chemistry</i> , 2019, 60, 1126-1132. | 1.0 | 11 |
| 74 | Facile low-temperature synthesis and application of $\text{La}_{0.85}\text{Sr}_{0.15}\text{Co}_{0.85}\text{Fe}_{0.15}\text{O}_{3-\delta}$ as superior cathode for LT-SOFCs using C-TAB as surfactant. <i>Materials Research Innovations</i> , 2020, 24, 395-401. | 2.3 | 11 |
| 75 | Cost-effective method of Co-doped rare-earth-based ceria (Y-CGO) nanocomposite as electrolyte for LT-SOFCs using C-TAB as surfactant. <i>Materials Research Innovations</i> , 2020, 24, 414-421. | 2.3 | 11 |
| 76 | Polymers in electronics. , 2020, , 365-392. | | 10 |
| 77 | A simple chemical precipitation of ceria based (Sm doped-CGO) nanocomposite: structural and electrolytic behaviour for LT-SOFCs. <i>SN Applied Sciences</i> , 2020, 2, 1. | 2.9 | 10 |
| 78 | Functionalization and partial grafting of the reduced graphene oxide with p-phenylenediamine: An adsorption and photodegradation studies. <i>FlatChem</i> , 2021, 26, 100210. | 5.6 | 10 |
| 79 | Investigation on nonlinear optical and antibacterial properties of organic single crystal: p-Toluidinium L-Tartrate. <i>Chemical Data Collections</i> , 2021, 31, 100640. | 2.3 | 10 |
| 80 | OLIVE MILL WASTEWATER (OMW) TREATMENT BY HYBRID PROCESSES OF ELECTROCOAGULATION/CATALYTIC OZONATION AND BIODEGRADATION. <i>Environmental Engineering and Management Journal</i> , 2020, 19, 1401-1410. | 0.6 | 9 |
| 81 | Electrical and Electrochemical Characteristics of Withania somnifera Leaf Extract Incorporation Sodium Alginate Polymer Film for Energy Storage Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 583-595. | 3.7 | 9 |
| 82 | Degradation of p-nitroaniline from aqueous solutions using ozonation/Mg-Al layered double hydroxides integrated with the sequencing batch moving bed biofilm reactor. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 113, 241-252. | 5.3 | 8 |
| 83 | Photocatalytic degradation of dyes by cobalt ferrite nanoparticles synthesized by sol-gel method. <i>AIP Conference Proceedings</i> , 2020, , . | 0.4 | 8 |
| 84 | Structural and functional properties of rare earth-based (NiO-CGO) nanocomposite produced by effective multiple doping approach via co-precipitation. <i>Materials Technology</i> , 2021, 36, 296-307. | 3.0 | 8 |
| 85 | New camphor hybrids: lipophilic enhancement improves antimicrobial efficacy against drug-resistant pathogenic microbes and intestinal worms. <i>Medicinal Chemistry Research</i> , 2018, 27, 1728-1739. | 2.4 | 7 |
| 86 | Apoptosis and Other Alternate Mechanisms of Cell Death. <i>Asian Journal of Animal and Veterinary Advances</i> , 2015, 10, 646-668. | 0.0 | 7 |
| 87 | Influence of erbium, chromium-doped: Yttrium scandium-gallium-garnet laser etching and traditional etching systems on depth of resin penetration in enamel: A confocal laser scanning electron microscope study. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2015, 7, 616. | 0.6 | 7 |
| 88 | Nano-sized neem plant particles as an electrode for electrochemical storage applications. <i>Ionics</i> , 2022, 28, 3787-3797. | 2.4 | 7 |
| 89 | CdS-sensitized TiO ₂ photoelectrodes for quantum dots-based solar cells. <i>Journal of Materials Research</i> , 2013, 28, 497-501. | 2.6 | 6 |
| 90 | Detailed study on reduction of hazardous Cr(VI) at acidic pH using modified montmorillonite Fe(II)-Mt under ambient conditions. <i>Research on Chemical Intermediates</i> , 2019, 45, 2357-2368. | 2.7 | 6 |

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|-----|---|-----|-----------|
| 91 | A polyaniline-coated ZnS/ZnO/FTO photoelectrode for improving photocorrosion prevention and visible light absorption. <i>New Journal of Chemistry</i> , 2019, 43, 16699-16705. | 2.8 | 6 |
| 92 | Green synthesis of Phenothiazinium Schiff base and its nano silver complex using egg white as a catalyst under solvent free condition. <i>Materials Today: Proceedings</i> , 2022, 55, 267-273. | 1.8 | 6 |
| 93 | Synthesis, Characterisation, and Antimicrobial Efficacy of Acid Fuchsin Schiff Base-Modified Silver Nanoparticles. <i>Nanotechnologies in Russia</i> , 2020, 15, 828-836. | 0.7 | 5 |
| 94 | Crystal growth and characterization of Benzimidazolium salicylate single crystal for nonlinear optical studies and antibacterial activity. <i>Physics and Chemistry of Solid State</i> , 2020, 21, 377-389. | 0.8 | 5 |
| 95 | Structural, morphological and optical studies of sol-gel engineered Sm ³⁺ activated ZnO thin films for photocatalytic applications. <i>Physics and Chemistry of Solid State</i> , 2020, 21, 433-439. | 0.8 | 5 |
| 96 | Solvothermal/Hydrothermal Manufacturing of Carbon Nanotubes for Hydrogen storage: A Comparative Study. <i>Physics and Chemistry of Solid State</i> , 2020, 21, 700-706. | 0.8 | 5 |
| 97 | Rational Synthesis of Mixed Metal Oxide Clusters Supported on a Partially Etched MAX Phase for Efficient Electrocatalytic CO ₂ Conversion. <i>Topics in Catalysis</i> , 0, , 1. | 2.8 | 5 |
| 98 | Nanocellulose-based materials/composites for sensors. , 2021, , 185-214. | | 4 |
| 99 | Metal-to-Semimetal Transition in Platinum Nanotubes: Dependence on Thickness. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2183-2190. | 4.6 | 4 |
| 100 | Bioengineered TiO ₂ Nanoparticles Using <i>Andrographis alata</i> (Vahl) Nees Leaf Extract and Their Antibacterial and Anticancer Activities. <i>Macromolecular Symposia</i> , 2021, 400, . | 0.7 | 4 |
| 101 | SYNTHESIS AND CHARACTERIZATION OF FeO NANOPARTICLES BY HYDROTHERMAL METHOD. <i>Rasayan Journal of Chemistry</i> , 2021, 14, 1985-1989. | 0.4 | 3 |
| 102 | Synthesis of AC@CuO-NWs and removal of basic dye from wastewater. <i>Materials Today: Proceedings</i> , 2022, 53, 336-338. | 1.8 | 3 |
| 103 | Review of photocatalytic and antimicrobial properties of metal oxide nanoparticles. <i>Physics and Chemistry of Solid State</i> , 2021, 22, 5-15. | 0.8 | 2 |
| 104 | Development of In-Situ Sensors for CO ₂ to Fuel Process. , 2020, , . | | 2 |
| 105 | Synthesis and Characterization of Undoped and Mn-Doped Copper Oxide Nanoparticles. <i>Macromolecular Symposia</i> , 2021, 400, 2100122. | 0.7 | 2 |
| 106 | Two-dimensional based hybrid materials for photocatalytic conversion of carbon dioxide into hydrocarbon fuels: A mini review. <i>Physics and Chemistry of Solid State</i> , 2021, 22, 132-140. | 0.8 | 1 |
| 107 | Manufacturing and Processing of Carbon Nanotubes for H ₂ Storage. <i>Physics and Chemistry of Solid State</i> , 2021, 22, 209-216. | 0.8 | 1 |
| 108 | Molecular identification of extended spectrum β -lactamases (ESBLs)-producing strains in clinical specimens from Tiruchirappalli, India. <i>Applied Nanoscience (Switzerland)</i> , 0, , 1. | 3.1 | 1 |

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|-----|---|-----|-----------|
| 109 | Synthesis, characterization and biosensor applications of CuO-NiO nanocomposite. , 2020, , . | | 1 |
| 110 | Facile Synthesis of Mesoporous Silica Nanoparticles and its Electrochemical Conversion of CO ₂ to Fuels. , 2020, , . | | 1 |
| 111 | Growth, structural, optical and mechanical studies on Amino acids doped Nonlinear optical sodium acid phthalate single crystals. Physics and Chemistry of Solid State, 2022, 23, 45-51. | 0.8 | 1 |
| 112 | Introduction to Additive Manufacturing for Composites: State of the Art and Recent Trends. Composites Science and Technology, 2022, , 1-24. | 0.6 | 1 |
| 113 | Thermal, Electrical, and Sensing Properties of Recycled HDPE/Carbonaceous Industrial Waste Composites. Macromolecular Symposia, 2021, 400, . | 0.7 | 1 |
| 114 | Graphene Decorated TiO ₂ Nanorods Photo-Anode for Solar Hydrogen Production. , 2015, , . | | 0 |
| 115 | A Smart Parking System using Internet of Things with Automated Payment System for Smart Cities. , 2018, , . | | 0 |
| 116 | Nanofunctionalized 3D printing. , 2021, , 457-504. | | 0 |
| 117 | Emergent Nanomaterials and Their Composite Fabrication for Multifunctional Applications. , 2021, , 109-127. | | 0 |
| 118 | Recent Advantages and Applications of Various Biosynthesized Greener Silver Nanoparticles. Asian Journal of Chemistry, 2021, 33, 2871-2884. | 0.3 | 0 |
| 119 | Corrosion Behavior of Epoxy/Zno-Nio Nanocomposite Coating on Steel Substrate. , 2020, , . | | 0 |
| 120 | Construction of Modified CuO-Co ₃ O ₄ -ZnO Electrode for Acetone Detection in Breath. , 2020, , . | | 0 |
| 121 | Thermal, Electrical, and Sensing Properties of Composite Material from Environmental and Industrial Wastage. , 2020, , . | | 0 |
| 122 | Biosensing Studies on Cuo-Mgo Nanocomposites for Glucose Detection. , 2020, , . | | 0 |
| 123 | Non-invasive Electrochemical Detection of Glucose using CuO-NiO/MXene Modified Electrode. , 2020, , . | | 0 |
| 124 | Detection of Acetone in Breath Solution using Nanocomposite Ceo ₂ -Nio-Zno. , 2020, , . | | 0 |